

382-4.

Morlite



electric lighting plants



Mor-Lite PLANT

**SELF STARTING
WITH PUSH BUTTON**

**SELF STOPPING
WHEN BATTERIES ARE FULL
SELF RUNNING**

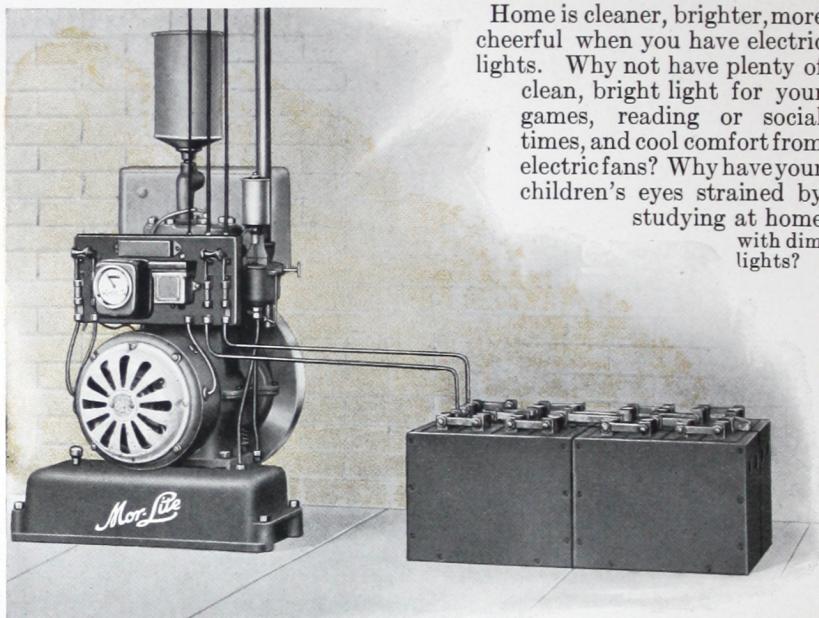
A Lighting Plant That Is Practically Automatic

The *Mor-Lite* plant is a semi-automatic outfit that gives you all the light you want any time you want it. Your lights are run from a storage battery in which electricity is stored up so that you can use it just as you draw water from a tank. The battery is charged, or the electricity stored up, by a simple, self-contained plant that **almost runs itself**.

You **push a button to start** the engine so that no hand cranking is necessary. **It stops itself** when the battery is charged, removing all danger of injury to the battery by overcharging. **An automatic alarm** tells you when the battery needs recharging, thus protecting the battery from harm due to over-discharge. The amount of electricity in the battery at any time is shown by a **meter dial** so that you may always know its condition.

The *Mor-Lite* plant will run 40 lamps for six hours with engine running and fully charged batteries. The battery alone will run 15 lamps for six hours on one charge. The above is based on 20-watt, 18 candle power Mazda Lamps.

Fairbanks, Morse & Co.



Home is cleaner, brighter, more cheerful when you have electric lights. Why not have plenty of clean, bright light for your games, reading or social times, and cool comfort from electric fans? Why have your children's eyes strained by studying at home with dim lights?

(3116G)

Simple and Compact The *Mor-Lite* Plant as shown above is a **Simple, Self-contained Unit**, a combined Engine and Dynamo, taking up little floor space. It does not require a skilled electrician to install it, as it is all connected up when shipped. Simply bolt the engine down to the floor or foundation, put the battery on a bench or a stout shelf on the wall, run wires to the lights and to the battery and outfit is ready to run.

There is no Belt

There is only one Shaft

There are only two Bearings **There is no separate Switchboard to connect up**

It is Self-Oiling There are **no oil cups to fill or regulate** when the engine starts. Filling one large reservoir with oil will provide sufficient lubrication for weeks of regular operation.

It has an Electric Governor A novel electric governing system regulates the speed of the engine and the voltage of the dynamo. It runs slowly with light load and faster when the load is heavy. There is an electric coil or solenoid which opens up the throttle and speeds up the engine when the voltage is low or closes it and slows down the engine when it is high, thus keeping the voltage just right all the time.

Push-button Start **Simply pushing a button starts the engine**, the dynamo acting as a motor for this purpose and turning the engine over rapidly until ignition begins, then changing automatically over to a generator and making current to charge the batteries or run lights.

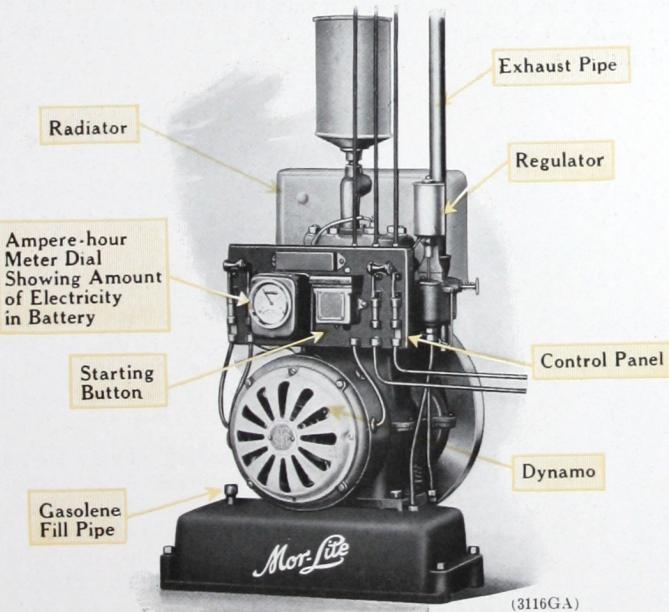
Ampere-hour Meter An ampere-hour meter on the control panel always shows the amount of electricity stored in the battery. There is a pointer that moves in one direction as the battery charges and in the opposite direction as it discharges, and when the battery is completely charged it automatically interrupts the ignition circuit and stops the engine.

Automatic Stop An electric bell is furnished and arranged to ring when the battery needs re-charging, continuing until starting button is pressed, thus warning you to protect the battery from injury due to over-discharge.

Automatic Regulation of Charge The battery charging current is automatically regulated on the new **constant voltage system**, which charges the battery in the shortest possible time and with a **tapering charge** that promotes the highest capacity and long life of the battery.



You need have no fear of overturned lamps



(3116GA)

Battery The battery is of the enclosed type, consisting of 16 cells sealed in hard rubber jars, and is shipped charged and ready for use.

Care All the care the battery needs is to be kept charged and a little pure water added from time to time to replace evaporation. All the care the engine needs is to be kept supplied with fuel, lubricating oil and cooling water and the starting button pressed when you want it to run.

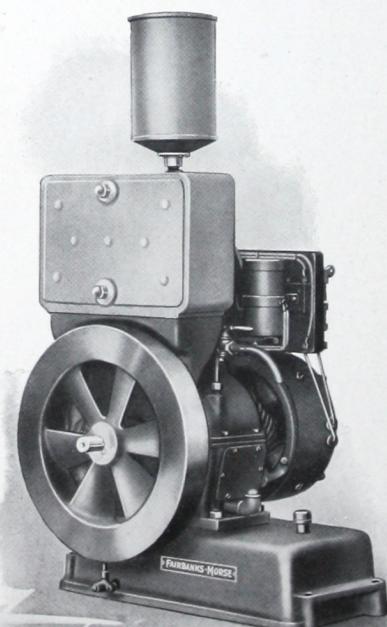
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Think of the Comfort of an Electric Fan in the Bed- room or Kitchen in Summer

No need to suffer from the heat anywhere in the house if you have a *Mor Lite* Plant. Simply attach a fan to any light socket—use any length of lamp-cord, and place the fan wherever you want to. You can move it around from place to place, and have it ready to run in an instant. Enjoy this cool, refreshing breeze at your will and at a cost of only one cent for every hour! Besides, you can iron without standing over a hot stove, by using an electric flat-iron, clean house with a vacuum cleaner or run your washing machine with an electric motor. The *Mor Lite* Plant easily gives you all these advantages.



A child can light the lamps by simply pressing a button in the wall



(3118G)

Mor Lite Plant

Outfit No. 4039 Code Word, Serra

Complete with engine and generator mounted on one base; panel board with meter, starting device and switches; regulator; water tank and radiator; storage battery of 16 cells charged ready for use.

Capacity—Forty 20-watt, 18-candle power Mazda lamps for 6 hours with engine running and batteries fully charged. Battery alone, 15 lamps for 6 hours on one charge. Plant operates at 30 volts.

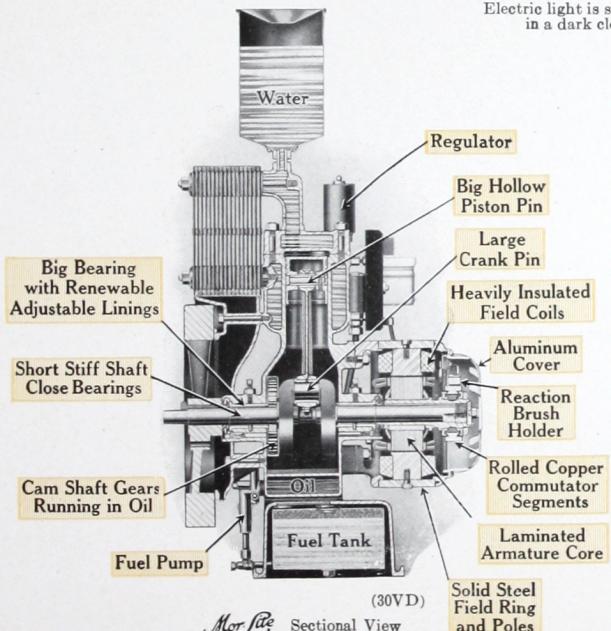
Floor Space—Actual, 2 ft. by 3 ft.; height 43 in. We recommend that a space 5 ft. by 5 ft. be provided.

First-class Design and Workmanship

First-class Design and Workmanship The sectional view below illustrates the principal working parts of the power plant. Every detail has been worked out with the utmost care by our expert engineers. All the wearing parts are made big and strong and easily renewable, and the workmanship is of the highest class. No expense has been spared in the design and construction of this plant that can promote convenience and reliability of operation, and thereby make it a source of comfort and satisfaction to the owner.



Electric light is safe to use
in a dark closet



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Mor-Lite

